

Species Compatibility

FAO (Food and Agricultural Organization) proposed 30 Agro-ecological zones. Based on this 30 AEZ, Richard and Hassan (1991) recognized 11 dendro ecological zones in Bangladesh.

1. Estuarine flood plain soils.

2. Shallow terrace soils.

3. High hill soils.

4. Terrace fan soils.

5. Anthropogenic soils.

6. Gangetic flood plain soils.
7. Non-gangetic flood plain soils.

8. Deep terrace soils.

9. valley terrace soils.

10. Low hills soils.

11. Himalayan Piedmont soils.

Karim (1993) classified Bangladesh on the basis of general physiography into 7 AEZ as follows-

1. Haor basin consisting of a network of swamps, haor and beels.
2. Higher ground in the north-west region characteristics by semi arid areas scanty vegetation.
3. Moribund parts of gangetic delta south of ganges.
4. Low land areas of greater Faridpur and Barisal districts rich in aquatics.
5. Marshes on the east of lower Meghna.
6. Modhupur sal forest.
7. Tidal flood plain.

Species distribution according to site-

1. Tree for low lying areas-

Common Name	Scientific Name	Family
Hijol	<i>Barringtonia acutangula</i>	Lecythidaceae
Kodom	<i>Neolamarckia cadamba</i>	Rubiaceae
Shimul	<i>Bombax ceiba</i>	Malvaceae
Babla	<i>Acacia nilotica</i>	Fabaceae
Jarul	<i>Lagerstroemia speciosa</i>	Lythraceae

More trees: pitali, Raintree, Jhau, Akasmoni, Kalokoroi, Bohera, Kul, Mander etc.

2. Tree for low hilly areas-

Common name	Scientific name	Family
Teak	<i>Tectona grandis</i>	Lamiaceae
Jackfruit	<i>Artocarpus heterophyllus</i>	Moraceae
Indian gooseberry	<i>Phyllanthus emblica</i>	Phyllanthaceae
Olive	<i>Olea europaea</i>	Oleaceae
Satim	<i>Alstonia scholaris</i>	Apocynaceae

More trees: Gamar, Mehgoni, Garjan, Am, Silkroi, Akasmoni, Bohera, Horitoki, Champa, Chapalish.

3. Tree for strip plantation besides roads and highways-

Common name	Scientific name	Family
Teak	<i>Tectona grandis</i>	Lamiaceae
Sissoo	<i>Dalbergia sissoo</i>	Fabaceae
Babla	<i>Acacia nilotica</i>	Fabaceae
Jarul	<i>Lagerstroemia speciosa</i>	Lythraceae
Kadam	<i>Neolamarckia cadamba</i>	Rubiaceae

More trees: Arjun, Silkroi, Raintree, Minjiri, Tal, Khejur, Mahogany, Ipil-ipil etc.

4. Tree for flood and haor area-

Common name	Scientific name	Family
Jarul	<i>Lagerstroemia speciosa</i>	Lythraceae
Palash	<i>Butea monosperma</i>	Fabaceae
Simul	<i>Bombax ceiba</i>	Malvaceae
Pitali	<i>Trewia nudiflora</i>	
Kadam	<i>Anthocephalus chinensis</i>	Rubiaceae

More trees: Hijol, Mander etc.

5. Tree for low, wet area and canal bank-

Common name	Scientific name	Family
Mander	<i>Erythrina orientalis</i>	Fabaceae
Bot	<i>Ficus bengalensis</i>	Moraceae
Pitali	<i>Trewia nudiflora</i>	
Sissoo	<i>Dalbergia sissoo</i>	Fabaceae
Chalta	<i>Dillenia indica</i>	Dilleniaceae

More trees: Eucalyptus, Sonalu, pitraj, Raintree etc.

6. Tree for Barind tract-

Common name	Scientific name	Family
Babla	<i>Acacia nilotica</i>	Fabaceae
Khoir	<i>Acacia catechu</i>	Fabaceae

Litchi	<i>Litchi chinensis</i>	Sapindaceae
Sal	<i>Shorea robusta</i>	Dipterocarpaceae
Bel	<i>Aegle marmelos</i>	Rutaceae

More trees: Jalpai, Sonalu, Kathal, Raintree, Silkoroi, Kalokoroi, Sajnam, Amra, Khejur, Sissoo etc.

7. Tree for Madhupur and Bhawal-

Common name	Scientific name	Family
Sal	<i>Shorea robusta</i>	Dipterocarpaceae
Citrus	<i>Citrus spp.</i>	Rutaceae
Narikel	<i>Cocos nucifera</i>	Arecaceae
Horitoki	<i>Terminalia chebula</i>	Combretaceae
Sonalu	<i>Cassia fistula</i>	Fabaceae

More trees: Silkoroi, Kalokoroi, Kathal, Sajna, Peyara, Bakul, Champa, Chapalish, Horitoki etc.

8. Tree for coastal saline soils-

Common name	Scientific name	Family
Narikel	<i>Cocos nucifera</i>	Arecaceae
Tetul	<i>Tamarindus indica</i>	Fabaceae
Katbadam	<i>Terminalia catappa</i>	Combretaceae
Tal	<i>Borassus flabellifer</i>	Arecaceae
Kalojam	<i>Syzygium cumini</i>	Myrtaceae

More trees: Khejur, palash, Supari, Silkoroi, Kalokoroi, Khoibabla etc.

9. Tree for newly created char land-

Common name	Scientific name	Family
Golpata	<i>Nypa fruticans</i>	Arecaceae
Garan	<i>Ceriops decandra</i>	Rhizophoraceae
Sundori	<i>Heritiera fomes</i>	Malvaceae
Geowa	<i>Excoecaria agallocha</i>	Euphorbiaceae

10. Tree for Agroforestry and farmland-

Common name	Scientific name	Family
Babla	<i>Acacia nilotica</i>	Fabaceae
Albida	<i>Acacia albida</i>	Fabaceae
Khoir	<i>A. catechu</i>	Fabaceae
Kalokoroi	<i>Albizia lebbeck</i>	Fabaceae
Khejur	<i>Phoenix sylvestris</i>	Arecaceae

More trees: Akasmoni, Silkoroi, Tal, Jhau, Neem, Mangium etc.

11. Tree for Railway line-

Common name	Scientific name	Family
Eucalyptus	<i>Eucalyptus camaldulensis</i>	Myrtaceae
Babla	<i>Acacia nilotica</i>	Fabaceae
Minjiri	<i>Cassia siamea</i>	Fabaceae
Horitoki	<i>Terminalia chebula</i>	Combretaceae
Khejur	<i>Phoenix sylvestris</i>	Arecaceae

More trees: Akasmoni, Ipil-ipil, Mahogoni, Arjun, Bohera, Sissoo, Tetul etc.

12. Tree for educational institution, office, hospitals and other community place-

Common name	Scientific name	Family
Mahogoni	<i>Swietenia macrophylla</i>	Meliaceae
Am	<i>Mangifera indica</i>	Anacardiaceae
Kathal	<i>Artocarpus heterophyllus</i>	Moraceae
Narikel	<i>Cocos nucifera</i>	Arecaceae
Litchi	<i>Litchi chinensis</i>	Sapindaceae

More trees: Jhau, Krishnachura, Shegun, Champa, Bakul, Nageswar.

13. Trees for City avenue-

Common name	Scientific name	Family
Krishnachura	<i>Delonix regia</i>	Fabaceae
Bakul	<i>Mimusops elengi</i>	Sapotaceae
Pine	<i>Pinus longifolia</i>	
Debdaru	<i>Polyalthia longifolia</i>	Annonaceae
Rajkoroi	<i>Albizia richardiana</i>	Fabaceae

More trees: Nageswar, Kathbadam, Mahogoni, Bottle palm, Akasmoni, Radhachura, Champa, Halud Krishnachura etc.

14. Tree for embankment planting-

Common name	Scientific name	Family
Babla	<i>Acacia nilotica</i>	Fabaceae
Sissoo	<i>Dalbergia sissoo</i>	Fabaceae
Khejur	<i>Phoenix sylvestris</i>	Arecaceae
Mahogoni	<i>Swietenia macrophylla</i>	Meliaceae
Kul	<i>Zizyphus mauritiana</i>	Rhamnaceae

More trees are: Akasmoni, Khoibabla, Raintree, Silkroi, Ipil-ipil, Kathbadam etc.

15. Tree for Homestead-

Common name	Scientific name	Family
Am	<i>Mangifera indica</i>	Anacardiaceae
Kathal	<i>Artocarpus heterophyllus</i>	Moraceae
Sajna	<i>Moringa oleifera</i>	Moringaceae
Amra	<i>Spondias dulcis</i>	Anacardiaceae
Peyara	<i>Psidium guajava</i>	Myrtaceae

More trees: Citrus, Bel, Supari, Litchi, Kamranga, Dalim, Jalpai, Kalojam, Neem, Narikel, Jamrul, Bakul, Kadbel, Khejur, Tal etc.

16. Tree for Sandy areas on the river bank-

Common name	Scientific name	Family
Sissoo	<i>Dalbergia sissoo</i>	Fabaceae
Satim	<i>Astonia scholaris</i>	Apocynaceae
Khoir	<i>Acacia catechu</i>	Fabaceae
Simul	<i>Bombax ceiba</i>	Malvaceae
Babla	<i>Acacia nilotica</i>	Fabaceae

More trees: Jhau, Hijol, Khejur, pitali, Kadam etc.

17. Tree for high fallow land-

Common name	Scientific name	Family
Am	<i>Mangifera indica</i>	Anacardiaceae
Kathal	<i>Artocarpus heterophyllus</i>	Moraceae
Sal	<i>Shorea robusta</i>	Dipterocarpaceae
Shegun	<i>Tectona grandis</i>	Lamiaceae
Kalojam	<i>Syzygium cumini</i>	Myrtaceae

More trees: Akasmoni, Minjiri, Mahogoni, Silkoroi, Eucalyptus etc.

18. Tree for village Hat and market-

Common name	Scientific name	Family
Bot	<i>Ficus bengalensis</i>	Moraceae
Tetul	<i>Tamarindus indica</i>	Fabaceae
Am	<i>Mangifera indica</i>	Anacardiaceae
Pikur	<i>Ficus infecctonia</i>	
Mahogoni	<i>Swietenia mahogoni</i>	Meliaceae

More trees: Raintree, Kalojam, Bohera etc.

19. Tree for pond Bank-

Common name	Scientific name	Family
Narikel	<i>Cocos nucifera</i>	Arecaceae
Kalokoroi	<i>Albizia lebbeck</i>	Fabaceae

Supari	<i>Areca catechu</i>	Arecaceae
Khejur	<i>Phoenix sylvestris</i>	Arecaceae
Am	<i>Mangifera indica</i>	Anacardiaceae

More trees: Ipil-ipil, Silkoroi, Tal, Mahagoni, Bash, Arjun etc.

20. Tree for newly raised Char land at river-

Common name	Scientific name	Family
Sissoo	<i>Dalbergia sissoo</i>	Fabaceae
Babla	<i>Acacia nilotica</i>	Fabaceae
Mander	<i>Erythrina orientalis</i>	Fabaceae
Palash	<i>Butea monosperma</i>	Fabaceae
Khoibabla	<i>Pithecellobium dulce</i>	

21. Tree for green belt at coastal area-

Common name	Scientific name	Family
Narikel	<i>Cocos nucifera</i>	Arecaceae
Supari	<i>Areca catechu</i>	Arecaceae
Kalokoroi	<i>Albizia lebbeck</i>	Fabaceae
Silkoroi	<i>Albizia procera</i>	Fabaceae
Hijol	<i>Barringtonia acutangula</i>	Lecythidaceae

More trees: Neem, Goraneem, Bot, Garjan etc.

22. Tree for high hill top-

Common name	Scientific name	Family
Eucalyptus	<i>Eucalyptus camaldulensis</i>	Myrtaceae
Shegun	<i>Tectona grandis</i>	Lamiaceae
Telsur	<i>Hopea odorata</i>	
Garjan	<i>Dipterocarpus turlintus</i>	
Gamer	<i>Gmelina arborea</i>	Verbenaceae

23. Tree for High flat and horizontal-

Common name	Scientific name	Family
Eucalyptus	<i>Eucalyptus camaldulensis</i>	Myrtaceae
Sal	<i>Shorea robusta</i>	Dipterocarpaceae
Telsur	<i>Hopea odorata</i>	
Rubber	<i>Hevea brasiliensis</i>	Euphorbiaceae
Citrus	<i>Citrus spp.</i>	Rutaceae

More trees: Pine, Silkoroi, Akasmoni, Kathal, Chapalish, Narikel etc.